

Statement of Work for the MOF-1 C-Band Feed Replacement and Integration

I. Scope of Work

a. Background

- The C-Band allocation has been redefined for utilization of telemetry operations and now covers 4400-5250MHz. As most users may move to this band we shall have the need to auto track and receive in the entire band. TCS has evaluated this requirement and determined its feasibility on the 6 foot tractor trailer mounted mobile systems by the submission of proposal P15-2264.

b. Objectives

- This document covers the requirements for the new C-Band tracking feed to be provided and integrated to the Armstrong Flight Research Center Dryden Aeronautical Test Range.

II. Applicable Document

- Telemetry & Communications Systems, Inc. Proposal P15-2264 (Upgrade of MOF1 for C band Auto-Tracking Feed)

III. Technical Point of Contacts

- InuTeq Procurement

IV. Specific Task Requirements

- TCS shall hold a design review to finalize any specific requirements
- TCS shall deliver one C-band feed as specified and proposed in said documents (including Test inject and LNA attenuation mode) and excluding any acquisition aid devices
- TCS shall Integrate all hardware on the MOF-1 tracking system.
- TCS shall Implement M1 controller GUI updates on the MOF-1 tracking system.

V. Period of Performance

- TCS shall complete all deliveries, integrations and testing within 180 days from award

VI. Deliverables

- TCS shall provide one C-Band feed and associated interface hardware to complete all work.
- TCS shall provide documentation updates to current TCS system manuals
- TCS shall provide Updated software for communications and control of new feed

VII. Spares

- TCS shall provide the following recommended spares parts:
 - 1 x Feed Motor PN# 300408-01
 - 1 x Feed Motor Controller PN# 300409-04
 - 1 x Feed Interface PCB PN# 302235-03
 - 2 x C-Band LNA's PN# 304942-01

VIII. Acceptance Criteria

- TCS shall conduct all acceptance test prior to delivery as applicable with the understanding that CSI may be present
- TCS shall deliver a Final Acceptance Test Procedure (FATP) to RF&ESS prior to delivery and integration activities. The FATP shall be in the form of Microsoft word and enable to allow track changes. This will allow RF&ESS to request/suggest procedure modifications

IX. Contractor/Government Furnished Property/Government Furnished Equipment

N/A

X. Special Considerations

(Applicable proprietary information statement, software agreement, special notifications, forwarding of security visit requests to applicable site, coordination of special tests, etc.)

XI. Security Requirements

N/A